

Company name Wonjin Aluminium

C. E. O Jong Jin , won

Establish date 1987. 10. 12 (28 year)

Sales 50 million (2014 year)

Employee total : 120 person (2014 year) / designer (20)/ building team (50)

Main business Curtain Wall, Window , Door, Guiderail , Aluminium extrusion, Photovoltaic Power Generatio

Head office

Technovalley-ro 416, janggu-ri, bongdong-eup, wanju-gun Jeollabuk-do, south korea CA 55321 Tel : +82-63-278-2577 / fax : +82-63-278-2576

Main certification ISO 9001, Patent (20), Utility model (21), KS D 6759, KS F 3117

THE BEST COMPANY IN THE WORLD

Main Business

Curtain wall

Window & door

Aluminium extrusion

Solar power system



Photovoltaic Power Generation

Wonjin solar system

Industrial solar system

Products



Contact Us

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Photovoltaic Power generation

BIPV? = Building Intergrated Photo Volataic

It has the advantage of allowing Unlike conventional power generation system in accordance with the ceiling, vehicle, curtain walls, roofs, windows, etc. How to Wear to a very diverse characteristics that improve the overall energy efficiency and comfort of the building.

Application

The photovoltaic Power system convert solar energy to the eletrical energy and supply electricity to buildings(residence, office, factory) for energy savings.

Features

Easy to be installed with no mechanical mountings, repair & maintenance is almost necessary and semi-permanent renewable system with very high reliability. The photovoltaic Power system is eco-friendly owing to being free of environmental contamination.

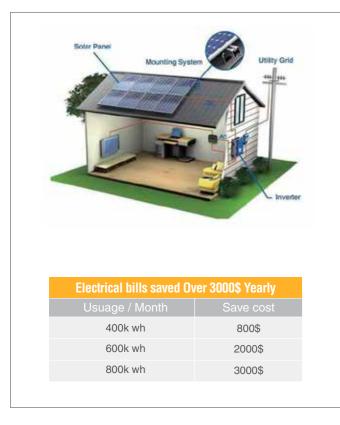


WONJIN ALUMINIUM ONE STOP SYSTEM

Wonjin solar system

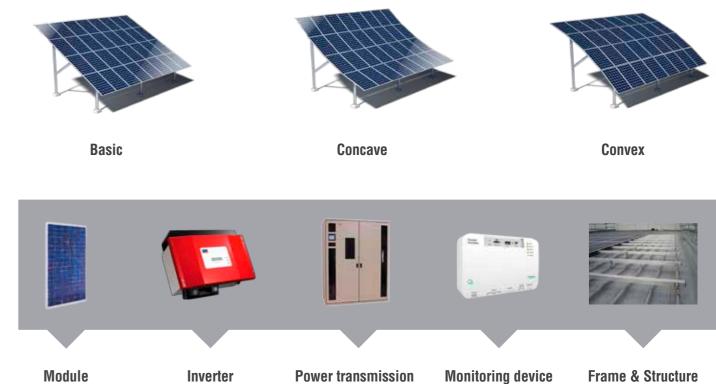
1. Total solar system service

2. Solar inverter Full line-up service





Recommended installation			
Usuage / Month Capacity(KW)			
~300k wh	\bigcirc		
300~350k wh		\bigcirc	
~350k wh			\bigcirc

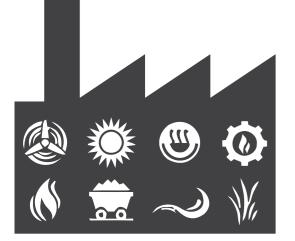




C-SI BIPV SYSTEM

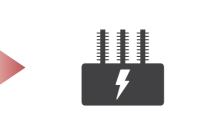


Industrial solar system



Power Station

Generates electricity



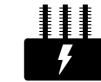
Switching Station

Raises the voltage of the electricity for efficient transportation



Transmission Network

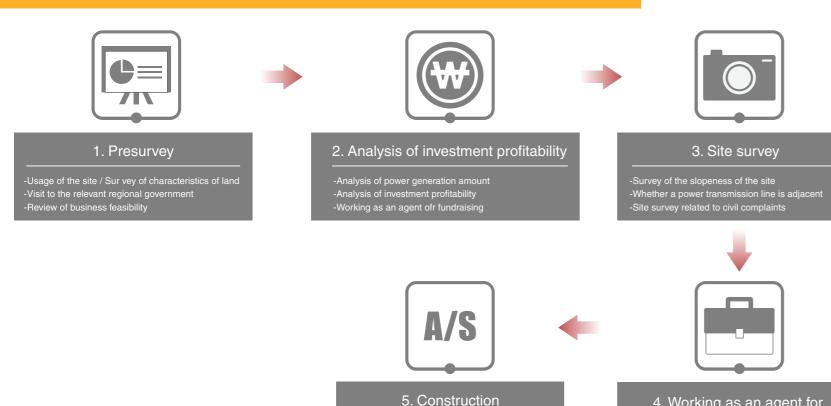
Transports electricity over long distances



Substation Transformer

Lowers the voltage of the electricity ready to deliver for everyday use

Wonjin solar system solution



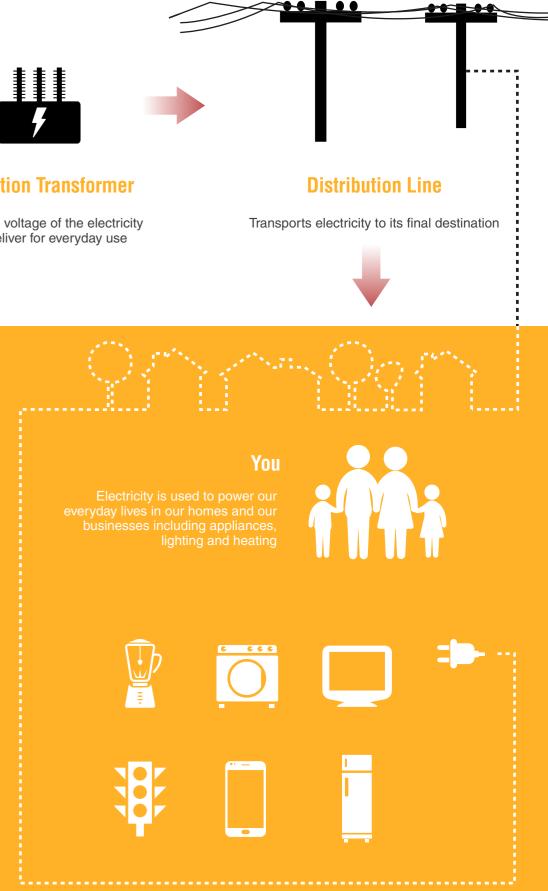
-Installation of new and renewable facilities at ar optimal level of quality

A/S tea

tion and direct management of in-house

4. Working as an agent for obtaining permits and approval

Approval for the power generation business Whether a power transmission line is adjacent Site survey related to civil complaints









Powermodule[™] SR Series

wonjin powermodules will suit your every need. combining the finest raw materials with state of the art automation technology and backed by an industry-leading 25 year guarantee, our powermodules deliver top quality you can rely on



Polycrystalline 60Cell

Monocrystalline 60Cell

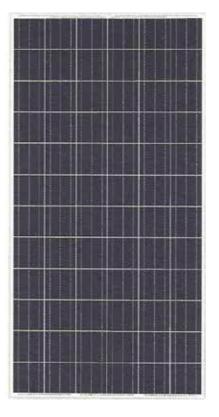
Polycrystalline 72Cell

	108	

Apply Cell	Polycrystalline (60Cell)
Wp	250 / 255 / 260
Size	6 Inch (156mm x 156mm)
Count	10 x 6, Total 60Cell
Module Size	1,650 x 992 x 34 mm
Weight	18kg



Apply Cell	Monocrystalline (60Cell)
Wp	263 / 265 / 270
Size	6 Inch (156mm x 156mm)
Count	10 x 6, Total 60Cell
Module Size	1,650 x 992 x 34 mm
Weight	18kg



Apply Cell	Polycrystalline (72Cell)
Wp	300 / 305 / 307 / 310
Size	6 Inch (156mm x 156mm)
Count	12 x 6, Total 72Cell
Module Size	1,968 x 992 x 40 mm
Weight	23kg

Monocrystalline 72Cell



Apply Cell	Monocrystalline (72Cell)
Wp	315 / 320
Size	6 Inch (156mm x 156mm)
Count	12 x 6, Total 72Cell
Module Size	1,968 x 992 x 40 mm
Weight	32kg

Product 1



Powermodule[™] SR Series SPP 250 / 255 / 260 SR

SPP 263 / 265 / 270 SR MONO

Standard Test Conditions (STC)

Performance at 25 $^\circ C$ under 1000W/m² at 200 W/m², 95% of STC - efficiency is achieved [EN 60904-1]

1. Performance						
	Pmpp [W]	Voc [V]	Vmmp [V]	lsc [A]	Impp [A]	Efficiency
SPP 250 SR	250	37.5	30.7	8.63	8.15	15.27%
SPP 255 SR	255	37.7	30.9	8.72	8.27	15.58%
SPP 260 SR	260	37.7	31.1	8.81	8.38	15.88%
SPP 263 SR MONO	263	37.9	31.0	8.92	8.49	16.07%
SPP 265 SR MONO	265	38.0	31.2	8.93	8.52	16.19%
SPP 270 SR MONO	270	38.1	31.5	8.97	8.59	16.50%

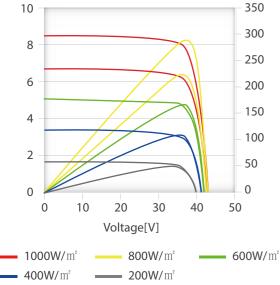
2. Temperature cha

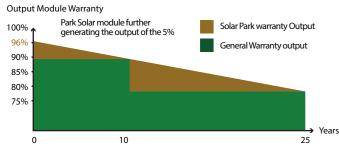
Nominal Operating Cell Temperature	46±2 ℃
Temperature coefficient of P mpp	-0.45% /℃
Temperature coefficient of V oc	-0.35%/℃
Temperature coefficient of I sc	0.034%/℃

	3. Module Specif
Solar Cell	Mono, Polycrystalline Sillio
Cell Array	10 x 6. total 60 Cells
Glass	3.2mm Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 Bypass diod
Cable	IEC and/or UL
Connector	MC4 compatible
Module Dimension Weight, Module	1,650x992x34mm (64.96 x 18kg (39.6lbs)

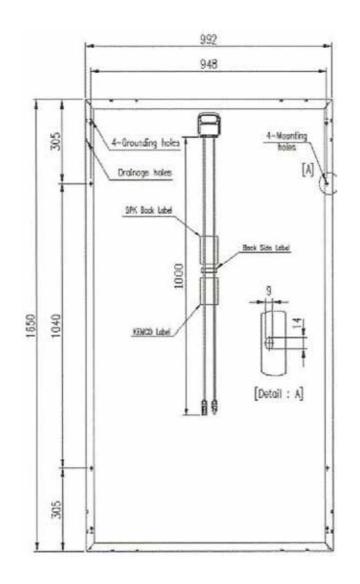
4. Safety		
Max. System Voltage	1.000 V DC/IEC	
Series Fuse Rating	15 A	
IEC Protection Class	Safety Class II	
Fire Safety Classification	Class C	
Operating Temperature	-40 ~+85 ℃	
IEC Max, Test Load	5,400 Pa	

I-V & V-P Curve





* Products using the first year, reduced maintenance, warranty, output by 0.66% this year to 96% output efficiency of up to guarantee and maintain a minimum of 80.2% of the products subjected to 25-year period the maximum output.



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140	.01	100	

fication

icon, 156 x 156 mm(6lnch)

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des)

x 39.1 x 1.4 inches)

5. Packaging Specifications		
Container	40HC	
Piece per pallet	30	
Pallets per container	28	
Piece per container	Class C	

Product 2



Powermodule[™] SR Series SPP 300 / 305 / 307 / 310 SR

SPP 315 / 320 SR MONO

Standard Test Conditions (STC)

Performance at 25 ℃ under 1000W/m² AM at 200 W/m², 95% of STC - efficiency is achieved [EN 60904-1]

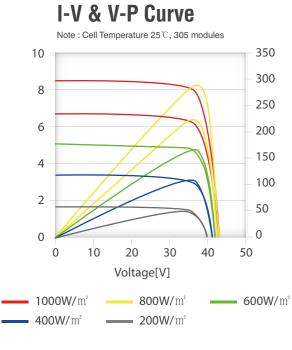
1. Performance						
	Pmpp [W]	Voc [V]	Vmmp [V]	lsc [A]	Impp [A]	Efficiency
SPP 300 SR	300	45.5	30.7	8.77	8.32	15.37%
SPP 305 SR	305	45.4	30.9	8.84	8.39	15.62%
SPP 307 SR	307	45.5	31.1	8.87	8.42	15.73%
SPP 310 SR	310	45.7	31.0	8.91	8.46	15.88%
SPP 315 SR MONO	315	45.7	31.2	8.97	8.54	16.14%
SPP 320 SR MONO	320	45.7	31.5	9.07	8.64	16.39%

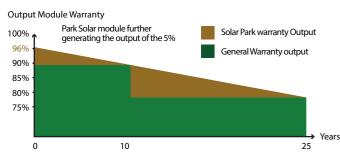
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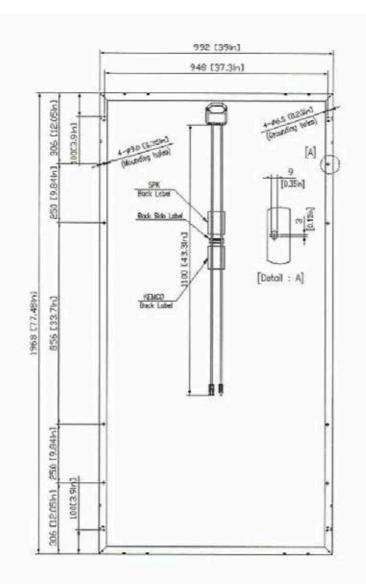
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Cable	IEC and/or UL
Connector	MC4 compatible
Module Dimension Weight, Module	1,968x992x40mm (77.48 x 23kg (50.7lbs)

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Series Fuse Rating	15 A	
IEC Protection Class	Safety Class II	
Fire Safety Classification	Class C	
Operating Temperature	-40 ~+85 ℃	
IEC Max, Test Load	5,400 Pa	





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WONJIN ALUMINUM ALWAYS PROMISE TO RETURN WITH THE BEST QUALITY



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WONJIN ALUMINIUM